Ohio Focus

MAA Coming to Baldwin Wallace
October 19-20, 2012

Center for Innovation and Growth—site of all daytime activities

The Fall Meeting of the Ohio Section MAA will be held at Baldwin Wallace University in Berea, in the southwest Cleveland area, on October 19-20, 2012. The list of invited speakers includes Matt Neal of Denison University, Tommy Ratliff from Wheaton College, Erica Flapan from Pomona College, and David Meel of Bowling Green State University. The meeting starts on Friday with the nominating committee at 11:30 and other committee meetings at 12:00. The first invited address "Ruining Sports with Math" by Matt Neal will begin at 1:30 in Rooms 113 and 114 of the Center for Innovation and Growth. There will be contributed paper sessions on Friday afternoon and Saturday morning. Also on Saturday, CONCUR, (Committee on Curriculum) will host a panel presentation on the calculus survey.

Meeting Registration

Online registration is preferred. Visit the Section web site at **www.maa.org/Ohio** for one-stop registration, banquet reservation, and abstract submission. The deadline for meeting pre-registration and banquet reservations is **October 12**. Abstracts for contributed papers must be submitted by **October 5**.

On-site meeting registration is always available, but last-minute banquet tickets cannot be guaranteed. Early registration helps those making the meeting arrangements and is always appreciated. Registration will be held beginning 12:00 p.m. on

Harold Putt Most Recent Ohio Section Teaching Award Recipient

Dr. Harold Putt from Ohio Northern University received the 2012 Ohio Section *Award for Distinguished College or University Teaching of Mathematics*. The award was presented during the business meeting of the Spring Section Meeting on April 13, 2012.

Since coming to ONU in 1983, Harold has been appointed to the Mary Reichelderfer Chair for Excellence in Teaching three times. A former student wrote, "As a future university professor, I may not remember every bit of mathematics that Dr. Putt taught me, but I will

President's Message

Welcome back to a new year in the Ohio Section. I hope your academic year is going well so far. The spring meeting might already seem like a distant memory, but I want to take the opportunity to thank Danny Otero and Xavier University for hosting us last April. I hope you all enjoyed the program. We deviated a bit from our usual format and had a performance of *Calculus: The Musical!* following the banquet. I hope you all had fun.

I am looking forward to seeing many friends at the Fall Meeting at Baldwin Wallace University (yes, they are a university now), as well as meeting people who are either new to the Section or are attending for the first time. The program committee has lined up a very nice slate of speakers. Erica Flapan from Pomona College will deliver an invited address as well as the after-dinner talk on Friday evening. Erica is a 2011 recipient of the MAA's Deborah and Franklin Haimo Award for Distinguished College or University Teaching of Mathematics. The other invited addresses will be given by Tommy Ratliff form Wheaton College, Matt Neal from Dennison University and David Meel from Bowling Green State University, the Ohio Section's 2011 Teaching Award winner.

There will also be plenty of contributed talks by members of the Section, of course. And as you know, the Ohio Section is now offering a workshop on a current topic immediately following the fall meeting on Saturday afternoon. This fall, CONSACT (the Committee on Section Activities) has lined up a workshop on the setup and use of WeBWorK, the online mathematics homework system, presented by Barbara Margolius and Felipe Martins from Cleveland State University. This is the second year we are offering such a workshop. If you have ideas on topics you would like to see (or present) in the future, please contact me or Karl Hess, the chair of CONSACT.

I would like to take this opportunity to begin a discussion about the future of the Section. Those of you who have been active in the Section know what a sense of community it provides for faculty at various different types of institutions and for students, who are just entering the world of mathematics and who learn that Ohio Section meetings are a great way to "get their feet wet." I hope you will strongly encourage your colleagues and students to attend. Our Section is very vibrant, but we cannot be complacent and must ensure the Section stays strong for years (and decades) to come.

When I first came to the University of Dayton, I had several colleagues in my department who took me under their wings and introduced me to the Ohio Section. I soon found out what a welcoming bunch of people the Section is made up of. But it was Ohio NExT that enabled me to build a network of friends all over the state. Those of you who have participated in Ohio NExT over the years know how valuable it can be to new faculty. The workshops and talks are always interesting, and the exchange of ideas is just fantastic. To those of you who have colleagues in your department who are in their first few years of teaching: Please promote Ohio NExT to them. Chris Swanson, John Prather and Katie Cerrone, the current co-organizers, will be more than happy to answer any questions you or your colleagues may have. Please remember that we invite all new full-time faculty to participate, whether they are tenure-track or not, and whether they have a Ph.D. or not. You will find information about this fall's Ohio NExT workshop in this newsletter.

Many of the Ohio NExT fellows who participated in the Ohio NExT workshops with me are still participating in the Section, serving on committees and as officers of the Section. I first met both Jon Stadler (Past-President) and Phil Blau (President-Elect) at Ohio NExT workshops, for example. In recent years, however, we have observed that new faculty participate in Ohio NExT for a year or two, but then disappear from the Section. Other new faculty (who might never participate in Ohio NExT) come to Section meetings for a few times (maybe at the invitation of their colleagues) but then stop attending. There has been some discussion in the Executive Committee as to why this is happening and what we can do about it. We can speculate about the reasons. Do these faculty not see the value in attending Section meetings and participating in the governance of the Section? If so, then why? Do Section meetings not "count" in tenure portfolios? Do departments choose to support faculty attendance at research conferences over Section meetings?

It is important for us to try to find out why faculty stop participating (or never participate). It is likely that there is no one single reason. What do you think? Do you have colleagues who used to participate but no longer do? Do you know why? What would be the best way for us to investigate this question? Should we form a committee to study this issue? Should one of the

Governor's Report

At MathFest in August, I attended my first Board of Governors meeting as the new Governor of the Ohio Section. You might be interested to know that the BoG meetings are open to visitors, so if you're at MathFest or the Joint Meetings a day early, you can

observe a BoG meeting if you like.

The MAA is in the midst of a major redesign of its web site, which should be unveiled sometime in Spring 2013. You may have already noticed changes to the MAA online store. In addition to traditional print books, you can order e-book versions of many titles. You can even purchase individual chapters of some e-books. Check out both the new MAA store and the eBooks Store on the MAA web site.

Beginning in January, MAA members will receive coupon codes via e-mail, for use in the MAA store. This will replace the two-tiered pricing for members and nonmembers in the MAA store. If you don't currently receive e-mail notifications from the MAA, you should sign up on the MAA web site (www.maa.org/) by clicking the "Join our e-mail list" button in the Quick Links section on the main page. Then make sure that your spam filter doesn't block messages from the maa.org domain. Coupon codes will also be available through the members-only portion of the

web site, as well as in the *MAA FOCUS*.

Financially, the MAA has been operating with a deficit budget for the last seven or eight years. We have enough resources to continue doing so for a few more years, but obviously we need to look for ways to save money and increase revenue to ensure the long term health of the organization. Rest assured that the Executive Committee and the Board of Governors is exploring ways to improve the financial standing of the MAA. The new MAA store is doing well, with increased sales in comparison to previous years. One idea that is being investigated is to develop support materials, such as sets of WebWork problems and test banks, to accompany MAA textbooks, in order to make those textbooks attractive to a wider audience. Another cost-saving idea that's under study is the possibility of moving the customer service operation in-house. Currently, the MAA outsources its customer service functions.

One of the motions that the Board of Governors passed at the August meeting institutes a double-blind review policy for all MAA print journals. This means that the journal editors will make a reasonable effort to insure that authors' identities are not revealed to the referee of an article. *The College Mathematics Journal* already has such a policy, and the other journals will implement it at the discretion of the current editors, with the understanding that the policy will be fully implemented for each journal by the beginning of the next editor's term.

A great deal of the work done by the MAA, at both the section and national level, is done by volunteers. If you are interested in serving on a national committee, please let me know. You can find a complete list of MAA committees and their charges on the MAA web site, under "About Us ... Governance ... Committees."

I'm looking forward to seeing many of you at the Fall Ohio Section meeting at Baldwin Wallace University.

Barbara D'Ambrosia
John Carroll University
Governorof the Ohio Section of the MAA
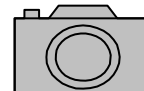bdambrosia@jcu.edu

Meeting Registration
Friday in the Center for Innovation Growth and will continue Saturday morning at 8:00 a.m.

Meeting participants who are unable to register online at **www.maa.org/Ohio** may register by mail by sending the following information: name, affiliation, address, phone, e-mail address (if any), type of position, and banquet buffet reservation. Send with check, payable to Ohio Section MAA, for applicable fees [registration fee ($30 ordinary registration, $15 retired or part-time, no fee for students or first-time attendees), banquet buffet fee ($18.25 per person)] to: Ohio Section MAA Fall Meeting, c/o David Calvis, Department of Mathematics and Computer Science, Baldwin Wallace University, Berea, OH, 44017, Phone: (440) 826-2201, FAX: (440) 826-6973. Registration by FAX or e-mail will be pending receipt of registration fees.

Check These Out
The Mini-Focus from the Spring 2012 meeting is now available on the Ohio Section web page. Visit www.maa.org/Ohio to see pictures and commentary of the people and events at the meeting at Xavier University.

At the Fall meeting, there will be a historical display of artifacts from the Ohio Section archives. Look for the tables with items from our past.

Call for Distinguished Teaching Award Nominations

The Ohio Section is fortunate to have many outstanding mathematics educators. Some of these have been recognized by our section, but many still have not and this is the opportunity to do so. Please consider nominating worthy candidates for the Ohio Section's 2013 Award for Distinguished College or University Teaching of Mathematics. Nominees must be a member of the MAA-Ohio Section with at least five years of college-level teaching.

Nomination forms and instructions can be found at http://sections.maa.org/ohio/Award. The process requires filling out a one-page form, providing a narrative as to why you feel the candidate is worthy of this honor, and gathering supporting materials from other colleagues and current and former students.

The award will be presented at the Spring 2013 Annual Meeting of the Ohio Section and appropriate publicity will be generated at the winner's home institution. The candidate's nomination packet will be forwarded to the national MAA so that he/she can be nominated for the Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics by the Teaching Award Committee. Three winners of the national award are selected each year from the nominees from the sections. Past Ohio Section winners who have gone on to receive the Haimo Award are Aparna Higgins from the University of Dayton (2005) and V. Frederick Rickey from Bowling Green State University (1993).

Nominations, questions, or comments about the award should be directed to Jon Stadler at jstadler@capital.edu or by postal mail to Department of Math, Computer Science, and Physics, Capital University, 1 College and Main, Columbus, OH 43209. The nomination deadline is January 1, 2013.

Fall Section Speakers to Lead Ohio NExT Workshops

Ohio NExT (New Experiences in Teaching) is a program for new faculty members. Its goal is to help newer faculty to network with colleagues, to share ideas and experiences that promote professional growth, and to encourage faculty to become involved in the Ohio Section.

On Thursday evening, October 18th, the night preceding the Ohio Section Fall Meeting, members of Ohio NExT will gather for a banquet beginning at 7:00 p.m. in the President's Room of the Strosacker Hall-College Union on the campus of Baldwin Wallace University. This is a great opportunity to meet old friends and make new ones. After the banquet, the NExTers will spend an hour or so discussing a topic related to the profession.

Then, on Friday morning, October 19th, the Ohio NExT program will continue in the Room 107/8 in the Center for Innovation and Growth on the Baldwin Wallace University campus. The program will feature Tommy Ratliff of Wheaton College leading a workshop entitled "Reading and Writing in Mathematics Classes," Erica Flapan of Pomona College leading a 2nd workshop entitled "How to be a Good Teacher is an Undecidable Problem," and contributed talks by Ohio NExTers. At last spring's meeting, the NExT workshop at Xavier University featured Barbara Margolius and Felipe Martins of Cleveland State University and Aparna Higgins of the University of Dayton for the fifty-minute workshops. Andy Lorenz of Denison University and Giorgi Shonia of Ohio University at Lancaser presented 15-minute talks.

Ohio NExT is open to anyone in the Ohio Section who is in his/her first five years of teaching in Ohio. If this applies to you, please consider joining us this fall for our NExT Banquet and Workshop, as well as the Ohio Section Meeting that follows and join the Ohio MAA Project NExT group on Facebook. Contact Chris Swanson (cswanson@ashland.edu) for membership information and details.

Ohio Project NExT is coordinated by Katie Cerrone, University of Akron (kc24@uakron.edu); John Prather, Ohio University Eastern Campus (prather@ohiou.edu); and Chris Swanson, Ashland University (cswanson@ashland.edu).

Student Activities at the Spring 2012 Meeting

The ninth annual Leo Schneider Student Team Competition was held at Xavier University on Friday, April 13, 2012. Thirty-five students registered, forming thirteen teams and representing nine institutions: Ashland University, Case Western Reserve University, Cleveland State University, John Carroll University, Ohio Northern University, University of Dayton, University of Findlay, Wittenberg University, and Youngstown State University. The following teams placed in the competition:

First Place ($120): Case Western Reserve University (Team MTA) – Mark Syvuk, Andres Rosales, and Todd Norton.
Second Place ($60): University of Dayton (Team Fried Chicken) – Chester Lian and Brandon Williams.

Call for Papers

Fifteen-minute presentations on any topic of general interest in mathematics or related areas are encouraged for the Contributed Paper Sessions on Friday afternoon and Saturday morning at the fall Ohio Section meeting. Reports on projects, research announcements, or anything you believe would be of interest to those in attendance are welcome. Contributors should send a title and brief abstract by Friday October 5, 2012.

Online submission with your meeting registration (at http://sections.maa.org/ohio/) is strongly preferred, but if necessary, you may submit your title and abstract to the chair of the Program Committee, Adam Parker, by e-mail at aparker@wittenberg.edu, or by U.S. mail at Department of Mathematics and Computer Science, Wittenberg University, P.O. Box 720, Springfield, OH 45501. Abstracts should be between 25 and 75 words in length and should employ proper English grammar and spelling. Please use only plain text in your title and abstract as the abstract submittal system cannot process TeX or other graphics code.

Each presentation room will have a whiteboard, a PC, a computer projector, and laptop connections. Presenters can either plug their laptops into the overhead projection system or plug a flash drive into the resident computer. If you wish to project from an Apple device then you must bring your own adapter. Document cameras (Elmo's) are available, but please indicate a need for one when you register. Internet access will be provided. Speakers with specific questions about technology availability should contact David Calvis at dcalvis@bw.edu.

Due to time and space restrictions, we may not be able to accommodate all talks. Submit abstracts online at the Section web page: http://sections.maa.org/ohio .

Third Place ($45): Wittenberg University (Team Pacifer-ous Xenops) – Peiqian Li and Xiao Shou

There were 23 student speakers at the Spring meeting out of a total of 40 speakers. Pictured below is the first place team (Team MTA) from Case Western Reserve.

Help The Centennial Committee

On December 31, 1915, Ohio became the first MAA section to submit its application for a charter, and the first annual meeting of the Ohio Section was held in Columbus the following April. Our Section, along with the MAA, will soon be celebrating its centennial. Here are some ways that you can help prepare for this event.

Write a brief history of mathematics at your institution. When was it founded? Who were the early professors of mathematics? What are some important milestones for your department? If your school has hosted an Ohio Section meeting recently, a starting point may be an article about your department that appeared in *Ohio Focus* prior to that meeting. There may also be a published history of your institution that includes some information about mathematics.

Write a biographical sketch of a mathematician from your institution who was active in the MAA. The *Ohio Section History* (http://sections.maa.org/ohio/History/index.html) includes appendices listing officers and invited speakers. Another helpful resource is the *Register of [MAA] Officers and Members*, which was published as part of the *American Mathematical Monthly*, from 1916 into the 1940s. You can see examples of biographical sketches and department histories at the *Ohio Masters of Mathematics* website (http://sections.maa.org/ohio/ohio_masters/index.html)

Share your recollections about Ohio Section personalities, meetings, or activities. Contact David Kullman (kullmade@muohio.edu) or Danny Otero (otero@xavier.edu). Thank you for your help.

Ohio Section Speakers and Their Subjects

Centennial Note #6   By Will Hahn and David Kullman

Papers presented by members of the Section have always been a major component of Ohio Section meetings. In this note we present a brief sampling of such talks to give a flavor of the topics that were current at various times. Invited speakers from outside the Ohio Section will be featured in a future note. Appendix F in *The Ohio Section: 1915-1990* (on-line at http://sections.maa.org/ohio/History/) is a complete list of invited addresses through 2009.

At the first annual meeting, Chairman R.B. Allen (Kenyon) started the tradition of giving a Chairman's Address. His paper was an expository treatment of "Hypercomplex Number Systems." Another 1916 paper on a classical topic was "Divergent Series and Their Applications," by C.N. Moore (Cincinnati). A talk by Henry Blumberg (Ohio State) on the theory of transfinite sets could still be called "Controversial Mathematics" in 1926. Skipping ahead to more recent decades, we find papers on "modern" topics such as: "The Remarkable Tilings of Roger Penrose," by Milton Cox (Miami) in 1987; "Fermat's Last Theorem and Elliptic Curves," by Alice Silverberg (Ohio State) in 1994; and "Random Fractal Images" by Judith Palagallo (Akron) in 2001.

Applied mathematics has been well represented over the years. In 1917, for example, C.J. West (Ohio State) spoke on "The application of Mathematics to the Biological and Social Sciences," while Paul Biefeld (Denison) gave a paper on the paths of comets. In 1955 H.S. Toney (Dayton) described photogrammetry as "a new frontier." By 1979 Yung Chen Lu (Ohio State) was discussing "Catastrophe Theory," and the following year D. K. Ray-Chaudhuri (Ohio State) presented "An Introduction to Coding Theory." Eugene Gartland (Kent State) spoke on "Numerical Solution of Problems in Liquid Crystals" in 1990, and Dale Mugler (Akron) told us about "Music and the Time-Frequency Analysis of Wavelets" in 2004.

It is interesting to observe the growing impact of computers on mathematics. In 1930 George W. Spenceley (Miami) discussed the solution of linear equations by means of a "computing machine" that was actually a Monroe mechanical calculator. In 1949 Edmund Churchill and Herman Berman (Antioch) described an analog computer used to solve simultaneous linear equations, and four years later R.W. House (Wright-Patterson A.F.B.) described "The Air Force's Newest Large-Scale Computer," capable of 5000 operations per minute. The program for the 54th annual Ohio Section meeting in 1970 included eight papers on the theme of computers in the undergraduate curriculum. By 1978 W.C. Weber (Bowling Green) was asking, "What Can a Pocket Programmable Do for You in Numerical Analysis?" and in 1993 Alan Stickney (Wittenberg) led us on "A Graphing Calculator Tour." In

2012 Katie Cerrone (Akron) was "Expanding the Classroom with Tablet Technology."

The Ohio Section has also welcomed papers in the area of statistics. For example, in 1918 W. E. Anderson (Wittenberg) discussed the use of statistical (i.e. standardized) tests in collegiate mathematics. A paper on correlation coefficients was presented by W. E. Cairns (Oberlin) in 1921, and C. C. Morris (Ohio State) discussed sampling theory ten years later. Statistical distributions formed the basis of a paper by P. R. Rider (Wright-Patterson A.F.B.) in 1954. In 2000 and 2001, respectively, Zaven Karian (Denison) spoke about "Using Maple for Teaching Probability and Statistics," and Jerry Moreno (John Carroll) described "Citizens' Stats 101 - Toward a Quantitively Literate Citizenry."

Papers on the history of mathematics or biographical studies of famous mathematicians often appeal to a wide audience, and the Ohio Section is no exception. A sampling of historical topics includes "Chinese Algebra" by Emma L. Konantz (Ohio Wesleyan) in 1922, and "Curves of the Calculus" by V. Frederick Rickey (Bowling Green State University) in 1984. The life and work of E.H. Moore, a graduate of Woodward High School in Cincinnati, was examined by W.G. Simon (Western Reserve) in 1933 and Thomas Hern (Bowling Green) in 2012. William Rowan Hamilton was the topic of a paper by J.L. Synge (Ohio State) in 1944, and Daniel Otero (Xavier) talked about "Henry Briggs and the Story of Logarithms" in 2002.

The undergraduate mathematics curriculum has always been a topic near and dear to the hearts of Ohio Section members. At the first annual meeting, A.E. Young (Miami) addressed the question of "What Elective Courses Following the Calculus Should the Average College Offer?" and Harriet Glazier (Western College for Women) spoke on "What Courses Should Be Offered for Prospective Teachers of Secondary Mathematics?" The following year Louis Brand (Cincinnati) spoke on "Senior Year Mathematics for Engineering Students." As early as 1931 W.G. Simon (Western Reserve) expressed "Some Doubts About the Content of Elementary Courses in Calculus." This topic would re-emerge in the 1980's when attention turned to a "lean and lively calculus."

After World War II, the undergraduate mathematics major was re-examined and became the subject of the 1948 chairman's address by Harry Pollard (Miami). That same year Wayne Dancer (Toledo) reported that the number of semester hours required for a mathematics major in Ohio colleges ranged from 24 to 36, with the average being slightly more than 28. Nineteen years later the work of CUPM led to a "Conference on Collegiate Mathematics in Ohio," and in 1998 Douglas Faires (Youngstown State) discussed

Fall Meeting Program

Events will take place in the Center for Innovation and Growth and in Strosacker Hall—College Union
The locations of these buildings can be found on the campus map on page 12.

Friday, October 19

11:30-12:00	Nominating Committee	CIG 109
12-4:00	Registration	CIG Atrium
12-1:00	Committee Meetings	
	CONCUR	CIG 105
	CONSACT	CIG 106
	CONSTUM	CIG 107
	CONTEAL	CIG 108
	Centennial Committee	CIG 109
1-4:00	Vendor & Book Exhibits	CIG Atrium
1:15-1:30	Welcome & Announcements	CIG 113 / 114
1:30-2:30	Invited Address: **"Ruining sports with math."** Matt Neal, Denison Univeristy	CIG 113/114
2:30-2:55	Break	CIG Atrium
2:55-3:00	Centennial Minute - Dave Kullman	CIG 113/114
3-4:00	Invited Address: **"Who has the Power in the Electoral College? You might be Surprised."** Tommy Ratliff, Wheaton College	CIG 113/114
4:10-6:05	Contributed Paper Sessions	CIG 105, 106, & 107/108
4:10-6:05	Executive Committee Meeting	CIG 109
6:05-6:30	Social Time	
6:30-7:45	Banquet	
7:55-8:45	After Dinner Talk: **"Mirror image symmetry from different viewpoints."** Erica Flapan, Pomona College	Strosacker Hall-College Union
8:45-9:00	25/50 Year Recognition	

Saturday, October 20

8:10-10:15	Registration	CIG Atrium
8-10:40	Vendor & Book Exhibits	CIG Atrium
8-8:25	Coffee & Donuts	CIG Atrium
8-8:25	Local Arrangements Committee & Executive Committee Meetings (if needed)	CIG 105, 106
8:25-8:30	Announcements	CIG 113/114
8:30-9:30	CONCUR Special Report	CIG 113/114
9:30-9:50	Break	CIG Atrium
9:50-10:50	Invited Address: **"Topological symmetry groups."** Erica Flapan, Pomona College	CIG 113/114
11-11:40	Contributed Paper Session	CIG 105, 106 & 107/ 108
11:50-12:50	Invited Address: **"Mathematics in the media: Leveraging explorations of higher level mathematics."** David Meel, Bowling Green State University	CIG 113/114
12:50-1:00	Closing Remarks	CIG 113/114

Event locations are subject to change. Check the official program you receive when you register for the meeting in the Center for Innovation and Growth.

For updates and online registration and paper submissions, see **www.maa.org/Ohio**.

For additional local arrangements information, see **http://www.bw.edu/academics/mth/maa/**

Invited Speakers at the Fall Meeting

Matt Neal

"Ruining Sports with Math"

Over the last 30 years, mathematical modeling has drastically altered our perceptions about sports. This change has been comprehensive, affecting how we evaluate players and teams, predict future performance, construct payrolls, devise strategies, build ranking systems, and understand sports physics. Mathematics has also changed the narratives we use to explain what we see on the field. Through careful reasoning about confounding variables, the role of randomness, measurements, and sophisticated mathematics, many long cherished assumptions about sports have been discredited. These have often been replaced by fascinatingly counterintuitive explanations for what we see when we watch sports. Much of what you know about sports is wrong! As a wise teacher once said, you must unlearn what you have learned.

While the new methods of analysis are increasingly dominant in most sports organizations, these new narratives and methods have also been met with resistance. Indeed, they often conflict with what we want to be true about sports. This conflict between the old modes of reasoning and the new analytic methods is fertile ground for teaching both advanced mathematical modeling and basic quantitative reasoning. It is also a great vehicle for teaching persuasive and expository writing. Note that sometimes the "old school" is right (!), which creates opportunities to study the limitations and dangers of mathematical models.

In this talk you will see crazy examples of how math has turned sports inside out and how sports can be used to teach mathematical reasoning to students who may otherwise have no cognitive framework for grasping quantitative arguments. Be warned, you may never watch sports again after seeing this talk.

Matt Neal is an associate professor at Denison University who got his Ph.D from the University of Virginia. His research is in "pure" functional analysis, but he has developed several applied math courses at Denison. A lifelong sports enthusiast who at the age of eight used to make up pretend statistics for imaginary players, he has been delighted to incorporate sports into his modeling courses. Matt enjoys making fun of terrible players and lousy organizations that everyone thinks are good. Tom Browning, a former star pitcher for the Cincinnati Reds, was once very upset with a talk Matt gave on baseball, seeing it as evidence of declining standards at Denison!

Tommy Ratliff

"Who Has the Power in the Electoral College? You Might be Surprised"

As residents of Ohio in a Presidential election year, I am sure that everyone in the Ohio Section can identify the influence of the Electoral College in directing extraordinary attention to the so-called battleground states while Presidential campaigns effectively neglect the rest of the nation. The conventional wisdom is that small states would object to the elimination of the Electoral College because the inclusion of the two Senate seats in their Electoral College vote gives the small states power that is disproportionately large compared to their population. However, if we examine the Electoral College as a two-tiered voting system and compare the power of individual voters across states, we will see that individual voters in small states actually have less power than those in larger states. This talk will explore how power is measured in a two-tier system and review several proposals for equalizing the voters' power in the Electoral College.

Tommy Ratliff is a professor of mathematics at Wheaton College in Norton, Massachusetts. His current research is in voting theory, with a focus on issues related to electing groups of candidates as in committee elections. He completed his Ph.D. at Northwestern in algebraic topology and held visiting positions at Kenyon College and St. Olaf College before joining the faculty at Wheaton in 1996. He is a firm believer in using writing projects and reading assignments in all levels of math courses, and is a co-author of the MAA book "Writing Projects for Mathematics Courses: Crushed Clowns, Cars & Coffee to Go". He was an original Project NExT fellow (1994-1995), has served as Chair of the Northeastern Section of the MAA, and is currently serving as the Governor for the Northeastern Section.
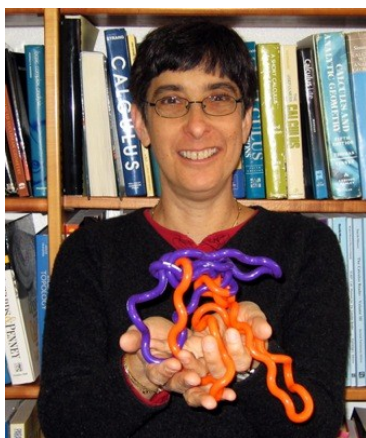
Invited Speakers at the Fall Meeting

Erica Flapan
"Mirror Image Symmetry from Different Viewpoints"

Erica Flapan will give examples of mirror image symmetry in various contexts, from music to poetry to sports to people and finally to molecules. It is important to know whether a molecule has mirror image symmetry, and she will present examples of molecules that are symmetric or asymmetric from different viewpoints. Finally, Dr. Flapan will explain what "topology" is and why topological asymmetry is the deepest type of asymmetry. No background in chemistry or mathematics is necessary to understand the lecture.

"Topological Symmetry Groups"

Chemists have defined the *point group* of a molecule as the group of rigid symmetries of its molecular graph in r^3. While this group is useful for analyzing the symmetries of rigid molecules, it does not include all of the symmetries of molecules which are flexible or can rotate around one or more bonds. To study the symmetries of such molecules, we define the *topological symmetry group* of a graph embedded in r^3 to be the subgroup of the automorphism group of the abstract graph that is induced by homeomorphisms of r^3. This group gives us a way to understand not only the symmetries of non-rigid molecular graphs, but the symmetries of any graph embedded in r^3. The study of such symmetries is a natural extension of the study of symmetries of knots. In this talk we will present results about the topological symmetry group and how it can play a role in analyzing the symmetries of non-rigid molecules.

Erica Flapan received her BA from Hamilton College in 1977 and her Ph.D. from the University of Wisconsin in 1983. She was a post-doc for two years at Rice University and for one year at the University of California at Santa Barbara. She joined the faculty at Pomona College in 1986. Since 2006, she has been the Lingurn H. Burkhead Professor of Mathematics at Pomona College. In addition to teaching at Pomona College, Flapan has been teaching regularly at the Summer Math Program for Women at Carleton College.

In 2010, Flapan won the Distinguished Teaching Award from the Southern California and Nevada Section of the

David Meel
"Mathematics in the Media – Leveraging Explorations of Higher Level Mathematics"

This talk will first explore the various ways that mathematics, mathematics teaching and mathematics teachers are portrayed in media – namely, cartoons and comics. Using this as a backdrop, we will explore a particular way that mathematics in a video game was leveraged to engage a small group of BGSU freshman students to explore concepts in statistics, linear algebra and abstract algebra. Through their explorations, the students were engaged in real-world experiences of building, testing and proving conjectures.

David Meel received his Ed.D. in Mathematics Education at the University of Pittsburgh in 1995 and joined Bowling Green State University's Department of Mathematics and Statistics in 1996, after spending a year as a post-doc at Carnegie Mellon University. His research program, although diverse, involves his students. When pressed, he will often say to his students, "My classroom is my laboratory; you are my guinea pigs since I am always looking for ways to help my students understand mathematics better." In particular, his research falls into five themes that include research into student understanding of calculus, student understanding of linear algebra, the theories and models of mathematical understanding, Mathematics Teaching Assistant (MTA) issues and training and tools designed to help practicing teachers. Over the years, David has directed research projects for 18 undergraduate students and 29 graduate students in addition to four small groups of freshman the past three years. In both 1999 and 2004, David received the Kappa Mu Epsilon Excellence in Teaching Mathematics Award at BGSU. He was awarded the 2011 Ohio Section Award for Distinguished College or University Teaching of Mathematics. David was a 1996-97 national Project NExT fellow (peach dot). Currently he serves as the assistant chair of the Mathematics and Statistics department at BGSU and the Mathematics Panel Lead for the Ohio Board of Regents Mathematics Transfer Assurance Guide (TAG) Committee.

Ohio Section Annual Fall Workshop
Setting up a WeBWorK Course on Your Campus

Barbara Margolius, Felipe Martins, Cleveland State University

This is an introductory workshop on the setup and use of WeBWorK, the MAA/NSF supported online homework system for mathematics. Participants will learn how to set up their own WeBWorK courses. We will give an overview of WeBWorK resources including: the National Problem Library, the MAA wiki, model courses and instructor tools. Participants will learn how to write basic WeBWorK problems. Bring a laptop with wireless capability.

Barbara Margolius earned her Ph.D. in applied mathematics from Case Western Reserve University in 1996. She began teaching at Cleveland State University the same year, and has been there ever since. Barbara is a regular attendee at Ohio Section meetings. Along with her colleague Felipe Martins, Barbara has presented numerous talks on the use of Flash in mathematics. She and Felipe also serve as WeBWorK consultants for the online open source, NSF and MAA supported homework system. She has contributed extensively to the WeBWorK National Problem Library and serves as PI on an NSF DUE grant to develop Flash based resources for WeBWorK.

Felipe Martins earned his Ph.D. in applied mathematics from Brown University in 1990. He began teaching at Cleveland State University in 1994, and has been there ever since. Felipe is a regular attendee at Ohio Section meetings. Along with his colleague Barbara Margolius, Felipe has presented numerous talks on the use of Flash in mathematics and serve as WeBWorK consultants for the online open source, NSF and MAA supported homework system. Felipe is also part of the developer team for WeBWorK.

The workshop will be held immediately after the conclusion of the regular Fall Section Meeting at Baldwin-Wallace University on **Saturday, October 20**. The registration fee is $25 and includes a boxed lunch. Participants must preregister at www.maa.org/Ohio by Friday, October 12, and should bring checks payable to Ohio Section MAA with them to the workshop. **Please note that preregistration for the workshop is separate from preregistration for the Fall Section meeting.** On-site registration may be permitted if space allows, but we cannot guarantee a lunch for on-site registrants. Lunch will be 1:00 pm to 1:30 pm, and the workshop will be 1:30 pm to 3:30 pm. Both will be in CIG 107/108. Box lunches will be available there at 12:30 pm.

Proposed Amendment to the Section Bylaws

The text of an amendment to the Section bylaws proposed by the Executive Committee is given below. The intent is to officially establish a Teaching Award Committee for the Section. This amendment will be discussed at the business meeting at the 2013 spring meeting (April 4-5, 2013). Any modifications to the bylaws must be approved by a majority of those present and voting at the meeting. According to the procedures outlined in our bylaws, the amendment will then be voted on via a mail-in ballot that will be distributed after the conclusion of the meeting. If approved, the amendment will appear as item 12 in Article IV in the bylaws. The purpose of publishing the proposed text in this issue of the newsletter is to allow ample time for Section members to read and comment on the proposal to ensure an informed discussion at the spring section meeting. If no concerns are voiced before or at the business meeting in spring 2013, the amendment may be voted on at that meeting. Please direct all questions or comments to Wiebke Diestelkamp, President of the Ohio Section (wiebke@udayton.edu).

Proposed Change to the Bylaws:
The Teaching Award Committee shall consist of four members, typically consisting of the Past President of the Section, the Secretary of the Section, and the two most recent teaching award recipients who are members of the section, but not the current teaching award recipient. The President may appoint committee members as necessary. The Past President shall be the Chair of the Teaching Award Committee.

This committee shall be responsible for:
- Soliciting and receiving nominations for the Section Teaching Award.
- Verifying that the nominees for the Section Teaching Award meet the eligibility requirements for the Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics (the Haimo Award).
- Selecting the winner of the Section Teaching Award.
- Selecting and/or submitting the Section Nomination to the national office for the Haimo Award.

Driving Directions to Baldwin Wallace University

The following directions to the CIG appear on the University website, which includes maps. The street address of the CIG is 340 Front St., Berea, OH 44017.

From East (via I-90)
- I-90 west to I-271 south
- Take exit 27 to 480 west to I-71 south
- Exit I-71 south at Bagley Rd.
- Right onto E. Bagley Rd, go about a mile
- Right onto Front St.
- First right into parking lot

From East (via I-80 or I-76)
- I-80 or I-76 west to I-80 (Ohio Turnpike) west
- Exit I-80 at I-71, US 42
- Take I-71 north approximately 2 miles to the Bagley Rd. exit
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.
- First right into parking lot

From South (via I-77 or I-71)
- I-77 north to Rt. 18 Medina
- Take Rt. 18 west to I-71 north
- Exit I-71 north at Bagley Rd.
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.
- First right into parking lot

From West (via I-80)
- Take I-80 (Ohio Turnpike) to I-71 north at Strongsville
- Take I-71 north approximately 2 miles to the Bagley Rd. exit
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.

Park anywhere in the lot adjoining the CIG, ignoring "employee" or "student" designations.
Overflow: Exit the CIG lot nearest the CIG front door and go across Front St. onto Adelbert St.
A BWU lot is immediately on your left. Also park on-street along E. Fifth Ave., the first residential street north of the CIG. **All parking is free** in University lots and on-street in the campus area.

Ohio NExT: Follow these driving directions direct to the Thursday banquet at Strosacker Hall–College Union.
From the parking lot enter under the portico to your right and go up the stairs to your left; the President's Room will be on your right. Use directions on page 13 to your hotel.
Friday morning return to campus on E. Bagley Rd.
Front St. is the third light past Tressel St., just over a mile from hotels.
Turn right, then take first right into CIG parking lot.

From the CIG to Strosacker Hall–College Union

Walking (~15 minutes, nice stroll through campus area)
- Exit the CIG, turn left and walk toward the grassy "North Quad" area, a large rectangular green space bounded by campus buildings.
- Turn right and walk the length of the Quad, keeping to the right and emerging between Ritter Library on your left and the Malicky Center (topped by clock tower) on your right.
- Cross Bagley Rd. and walk down Seminary St., which runs one way going against you.
- Follow Seminary past Liberty and Spring Sts. to E. Grand St.
- Turn left onto E. Grand and walk past Beech St.
- Strosacker Hall–College Union, with tall colonnade, is on your right.
- Walk down the left side of the building (as you face the pillars) and enter Strosacker via the Colony Room door.
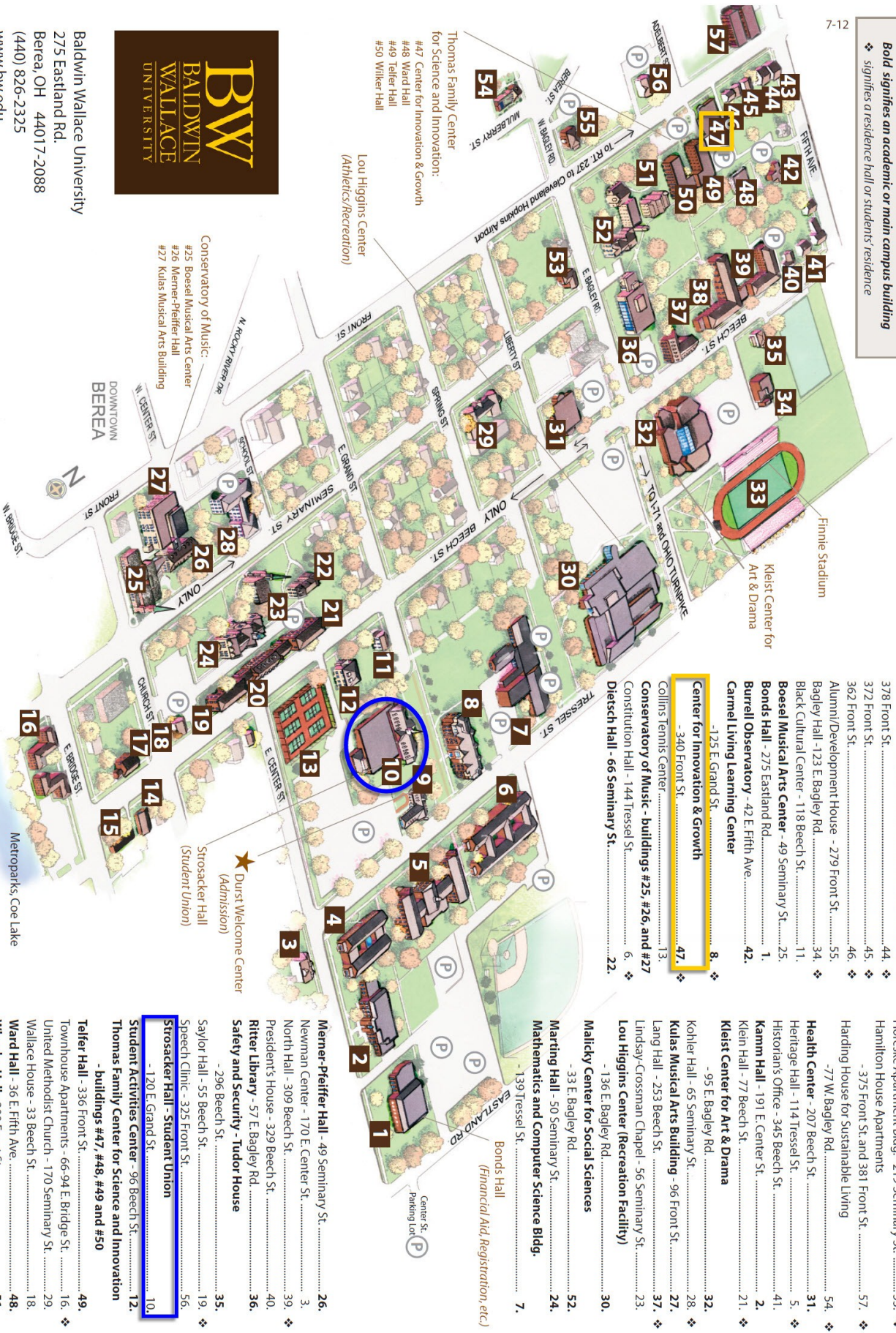
Driving (~2 minutes)
- From the CIG parking lot turn left onto Front St.
- Turn left at the traffic light (E. Bagley Rd.)
- Go past the first and second traffic lights (Seminary and Beech Sts.) and turn right at the third traffic light, Tressel St.
- Turn right into the parking lot behind the Durst Welcome Center.

- The Strosacker Hall–College Union is directly ahead as you pull in.
- Enter Strosacker via the Colony Room door

Campus Map

★ **Durst Welcome Center** (Admission)

Bold signifies an academic or main campus building

signifies a residence hall or students' residence

7-12

DOWNTOWN BEREA

Finnie Stadium

Kleist Center for Art & Drama

Metroparks, Coe Lake

★ Durst Welcome Center (Admission)

Strosacker Hall (Student Union)

Center St. Parking Lot Ⓟ

Bonds Hall (Financial Aid, Registration, etc.)

Conservatory of Music:
#25 Boesel Musical Arts Center
#26 Merner-Pfeiffer Hall
#27 Kulas Musical Arts Building

Thomas Family Center for Science and Innovation:
#47 Center for Innovation & Growth
#48 Ward Hall
#49 Telfer Hall
#50 Wilker Hall

Lou Higgins Center
(Athletics/Recreation)

BW
BALDWIN WALLACE
UNIVERSITY

Baldwin Wallace University
275 Eastland Rd.
Berea, OH 44017-2088
(440) 826-2325
www.bw.edu

Hotel Information

All hotels are located just off Bagley Road about one mile east of the B-W campus. Detailed directions are found in the "Directions to Everything" document available at http://www.bw.edu/academics/mth/maa/.

Comfort Inn

Comfort Inn Cleveland Airport
17550 Rosbough Drive
Middleburg Heights., Ohio 44130
(440) 234-3131 or (800) 391-1112
www.comfortinnclevelandairport.com
Contact hotel directly and ask for the Baldwin Wallace rate of $61.00 plus tax; this rate is available only by contacting the hotel directly by phone. Complimentary hot breakfast, Internet (both wired and wireless), business center, fitness center, in-room hair dryer, iron, ironing board and safe.

Hampton Inn

Hampton Inn & Suites Cleveland-Airport/Middleburg Heights
7074 Engle Road
Middleburg Heights, Ohio, 44130
(440) 234-0206
Complementary full hot breakfast buffet, complimentary shuttle service to the airport, free WiFi, completely renovated hotel, business center, fitness center, indoor pool & spa. The Baldwin-Wallace University rate of $93.00 plus tax is available in two ways: Either call the hotel directly (440) 234-0206 or book online www.clevelandairportsuites.hamptoninn.com. Select dates and number of guests and rooms; then click "Add special rate codes", and in the "Corporate account" box type 0560040162.

Crowne Plaza Cleveland Airport

7230 Engle Road
Middleburg Heights, Ohio 44130
(440) 243-4040 or (800) 2-CROWNE
www.crowneplaza.com/clevelandarpt
Ask for the Baldwin-Wallace University special rate of $79.00 plus tax (available by contacting the hotel directly by phone) Deluxe bath amenities, 32" flat-screen television with complementary HBO, complimentary weekday USA Today, voice mail, hair dryer, iron/ironing board, wireless Internet access, 24 hour business center, sundry shop, indoor pool, triple outside decks, sauna, and exercise room. Complimentary airport shuttle and complementary parking for hotel guests. Bucci's Restaurant and JB's Downstairs Lounge.

Courtyard Cleveland Airport South

7345 Engle Road
Middleburg Heights, Ohio 44130-3430
Call Marriott Reservations at (800) 321-2211 on or before September 21, 2012 to make reservations. Identify yourself as part of the Mathematical Association of America-Ohio Section Fall 2012 Meeting group staying at the Courtyard Cleveland Airport South.
Or use the following special Section meeting link; note that the link defaults to a two-night stay, both Thursday 10/18 and Friday 10/19, so make changes as needed: http://www.marriott.com/hotels/travel/CLECA? groupCode=MAAMAAA&app=resvlink&from Date=10/18/12&toDate=10/20/12 One King-size bed with a sleeper sofa. Breakfast for two included with rooms reserved for the Section meeting. Other amenities: Newly-renovated lobby featuring the Bistro for breakfast and dinner; complimentary airport shuttle, free high-speed internet access, The Market—open 24 hours daily for snacks and beverages, business center, fitness center, indoor pool and whirlpool, complimentary parking, coin-operated laundry available on site.

All hotels listed for the Meeting are in the city of Middleburg Heights, on or just off Engle Rd. at the intersection with E. Bagley Rd., about a mile east of the BWU campus.
- From the Strosacker Hall-College Union parking lot: Turn left onto Tressel St. and follow Tressel to the traffic light at E. Bagley Rd. Turn right onto E. Bagley Rd.
- From the CIG parking lot: Turn left onto Front St. and then turn left at the traffic light at E. Bagley Rd.

Either way, follow E. Bagley Rd. east about a mile to Engle Rd. You will pass Berea High School on the left, followed by a hospital on the right. Near Engle you will see chain restaurants and gas stations, as well as the tall red Crowne Plaza Hotel sign on your right. If you reach the I-71 interchange, you have just overshot Engle Rd. From E. Bagley Rd. at Engle Rd. follow the directions for your particular hotel.

To get to the Comfort Inn or Hampton Inn, turn left on Engle Road. Crowne Plaza Cleveland Airport and Courtyard Cleveland Airport South should turn right on Engle Road.

An Invitation to CONCUR's Plenary Session on Calculus

All section members are cordially invited to attend CONCUR's Plenary Session on Teaching Calculus during the Fall Section Meeting. The session will be at 8:30 a.m. on Saturday, October 20. The committee will present the interesting and sometimes surprising results of the survey on personal practice in teaching Calculus that was conducted last October in the Section. In addition to a panel presentation of the survey results, there will be time for open discussion and reflections on teaching Calculus.

Campus Notes

Ashland University: The Department of Mathematics and Computer Science welcomes **Maduka Rupasinghe** as an Assistant Professor of Mathematics. Maduka received his B.S. degree in Business, Finance and Computational Mathematics from University of Colombo, Sri Lanka. He went on to graduate school at the Missouri University of Science and Technology where he obtained his Ph.D. in Mathematics with Statistics Emphasis. His research interests lie in the areas of Statistics, especially, Time Series Analysis and Statistical consulting.

At **Central State University**, Dr. **Syvillia Averett** was hired in a tenure-track, Assistant Professor of Mathematics position in the department. Dr. Averett received her Ph.D. from the University of Iowa. Her research is in representation theory. She's served as the Co-PI on two National Science Foundation grants to host undergraduate mathematics conferences at the University of Iowa, and has also gained experience working as an instructor and mentor for mathematics REU programs. The department is excited to have her as part of the team! Dr. **Kimberly Kendricks** was granted tenure this spring. Starting in the fall of 2012, Dr. Kendricks will be a tenured, Associate Professor of Mathematics. Also this spring, Dr. **Asit Saha** earned tenure and was promoted to Associate Professor of Mathematics. Dr. Saha will be a tenured, Associate Professor of Mathematics, starting in the fall of 2012. Dr. **Yu Liang** was granted tenure this spring. Starting in the fall of 2012, Dr. Liang will be a tenured, Assistant Professor of Computer Science.

John Carroll University is pleased to welcome **Victor Lee** as a Visiting Assistant Professor of Computer Science. Victor completed his Ph.D. at Kent State in Summer 2012. His research interests are data mining in social networks and bioinformatics.

Otterbein University welcomes a new colleague this fall. **Dr. erica j. Whitaker** joins us as Visiting Assistant Professor from a previous appointment at The Ohio State University. Dr. Whitaker earned her Ph.D. and MS in Mathematics from Ohio State, and holds Bachelor's degrees in mathematics and music from Birmingham-Southern College. Her dissertation was titled "Congruence and Noncongruence Subgroups of Γ(2) via Graphs on Surfaces".

Sinclair Community College: **Karl Hess** and **Jim Willis** were promoted to Professor effective fall 2012. **Craig Birkemeier** was appointed as Assistant Professor effective fall 2012. **Roger Abernathy** (Associate Professor) and **Stacie Taylor** (Annually Contracted Faculty) joined the faculty in fall 2012. **Harmit Kaur**, **Tom Whitehead** and **Tom Wilson** retired in June 2012. **Jim Hardman** left us to join his family in Denmark at the end of summer 2012.

At the **University of Dayton**, **Art Busch** has been tenured and promoted to the rank of Associate Professor. Two mathematics faculty have won awards in the College of Arts and Sciences: **Ruihua Liu** won the Award for Outstanding Scholarship, and **Les Steinlage** won the Award for Outstanding Contributions by a Non-Tenure Track Faculty Member. After 45 years of teaching at UD, **Gerry Shaughnessy** retired in May of 2012.

Erica Flapan
(Continued from page 9)

Mathematics Association of America. Then in 2011, Flapan won the Mathematical Association of America's Haimo award for distinguished college or university teaching of mathematics.

She has done research in knot theory and 3-manifolds. She is also one of the pioneers of the study of the topology of graphs embedded in 3-dimensional space, and has published extensively in this area and its applications to chemistry and molecular biology. In addition to her research papers, she has published an article in the College Mathematics Journal entitled "How to be a good teacher is an undecidable problem," as well as three books. Her first book, entitled ``When Topology Meets Chemistry" was published jointly by the Mathematical Association of America and Cambridge University Press. The second book entitled ``Applications of Knot Theory," is a collection of articles that Flapan co-edited with Dorothy Buck. Most recently, Flapan co-authored an elementary textbook entitled ``Number Theory: A Lively Introduction with Proofs, Applications, and Stories" with James Pommersheim and Tim Marks, published by John Wiley and sons. She is currently at work on a new book tentatively entitled "Knots, Molecules, and the Universe: An Introduction to Topology."

About Baldwin Wallace

Baldwin Wallace University is a private, liberal arts based Methodist-related college offering bachelor's and master's degrees, certificates and professional education programs located in Berea, Ohio. When founded in 1845, Baldwin Wallace was one of the first colleges in Ohio to admit students without regard to race or gender. After more than a century and a half, BW is still characterized by leadership and innovation. The liberal arts remain at the center of the academic program, augmented by a host of opportunities to explore career options and develop professional skills.

Harold Putt
(Continued from page 1)

always aspire to be as effective an instructor and as sincere and helpful a person."

Harold Putt has contributed service to the MAA in a wide variety of areas. He has been a member of CONCUR, CONTEAL, CONSACT, as well as the program committee, the teaching award committee, and the nominating committee. During 2002-2003, Harold served as President of the Ohio Section.

Dr. Putt, who earned his Ph.D. from Bowling Green State University, has had a great impact on the university and local communities. A colleague from chemistry shared, "... I became keenly aware of the great skill and special care which Dr. Putt demonstrated in the mathematical portions of their programs. I was especially pleased with his ability to work with the students who had

Dr. Harold Putt with his wife after receiving the teaching award

difficulty, and his insight in bringing them up to the standards necessary for the mathematics preparation needed in their chemistry courses." Also, Harold has been helping the Ada Middle School become active in the MATHCOUNTS competition.

Congratulations, Harold!

President's Message
(Continued from page 2)

existing committees take up this charge? Should we set aside some time to discuss this question at an upcoming Section meeting? Should we survey our members? Should we utilize our liaison network to reach faculty who are not MAA members? What do you think would be the most effective ways to identify what we need to do better to stay attractive to younger faculty?

A first discussion of this topic at the summer Executive Committee meeting has already produced some suggestions of actions we could take (set aside an annual invited speaking slot for recently tenured faculty; publish proceedings of our meetings; institute a teaching award for young faculty similar to the MAA's Alder Awards; and so on). These remedies might be premature until we have identified what would bring younger faculty back to the Section.

This discussion has only just begun. But it is time to act, to decide how to

go about it and then do it. We cannot just hope that all will be well. We have to actively ensure the bright future of the Ohio Section. I am asking you to get involved in this effort. Feel free to contact me (wiebke@udayton.edu) or any member of the Executive Committee with your suggestions and ideas. (The Executive Committee consists of the President, Governor, Past-President, President-Elect, Secretary, Treasurer, Program Committee Chair and the Chairs of CONCUR, CONSACT, CONSTUM and CONTEAL; the names of the members are listed elsewhere in this newsletter.) You can also come to the Executive Committee meeting on Friday afternoon of the fall Ohio Section meeting and voice your opinion there.

The Ohio Section is one of the more active Sections in the country. I find the variety of talks offered at Section meetings quite wonderful; both invited and contributed talks. I am proud that

we encourage students to present their work at our meetings, and I always enjoy the student talks. The Ohio Section will celebrate its centennial at the 2016 spring meeting, and as this date approaches, I think it is fitting to initiate a conversation about the next one hundred years. I hope you join me in this conversation.

Wiebke Diestelkamp
University of Dayton
President of the Ohio Section of the MAA
wiebke@udayton.edu

Thank You to the many people who contributed articles and information for this newsletter.
David Stuckey, Editor

2012-2013 Ohio Section Officers and Committees

ELECTED OFFICERS

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Past President #2
Don Hunt, Ohio Northern University
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President-Elect
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OhioMATYC Liaison to OhioMAA
Jim Anderson, University of Toledo

OhioMAA Liaison to OhioMATYC
Robert Hovis, Ohio Northern University

OMSC Liaison
Katie Cerrone, University of Akron

OCTM Liaison

Archivist
Daniel Otero, Xavier University
513-745-2012; otero@xavier.edu

COMMITTEES

* Denotes committee chair. Elected Officers and Committee Chairs are voting members of the Executive Committee. Terms expire at the end of the Spring meetings of the year listed. See the Bylaws.

Program Committee
*Adam Parker, Wittenberg University (2013)
Lew Ludwig, Denison University (2014)
David Meel, Bowling Green State U. (2015)

CONTEAL
*John Prather, Ohio Univ Eastern (2014)
Richard Little, Baldwin Wallace Univ. (2013)
Drew Pasteur, College of Wooster (2013)
Sandy Schroeder, Ohio Northern Univ. (2013)
Laurie Dunlap, University of Akron (2014)
Susan Thompson, Otterbein College (2014)
Pam Warton, University of Findlay (2015)

CONSTUM
*Ryan Rahrig, Ohio Northern Univ. (2013)
Mohammad Zaki, Ohio Northern Univ (2013)
Matt McCullen, Otterbein University (2014)
Elizabeth Wilmer, Oberlin College (2014)
Thomas Wakefield, Youngstown St. U. (2015)
Matthew Menzel, Marietta College (2015)

CONSACT
*Karl Hess, Sinclair Community Coll. (2013)
Glen Lobo, Sinclair Community Coll. (2013)
Justin Young, Ashland University (2014)
Eric Wingler, Youngstown State Univ. (2015)
Paige Rinker, John Carroll University (2015)
Barbara Margolius, Cleveland St. Univ (2015)

CONCUR
*William Fuller, Ohio Northern Univ. (2014)
Chandra Dinavahi, Univ. of Findlay (2013)
David Stuckey, Defiance College (2013)
Anna Albert, University of Findlay (2014)
Giorgi Shonia, Ohio Univ. Lancaster (2015)

OTHER COMMITTEES

Nominating Committee
*Don Hunt, Ohio Northern University (2015)
Mark Miller, Marietta College (2014)
Vickie Van Dresar, Ashland University (2013)

Committee on Contests
David Stenson, John Carroll Univ, AMC12

Teaching Award Committee
* Jon Stadler, Capital Univ. (Past President)
Pam Warton, Univ. of Findlay (Secretary),
Richard Little, Baldwin Wallace University
(Past recipient 2010)
David Meel, Bowling Green Sate University
(Past recipient 2011)

Centennial Committee
*David Kullman, Miami University
Tom Hern, Bowling Green State University
Danny Otero, Xavier University
Tom Dence, Ashland University
Jon Dunlap, Bowling Green State University
Al Stickney, Wittenberg University

LOCAL ARRANGEMENTS FOR MEETINGS

Fall 2012: Baldwin Wallace University
David Calvis, dcalvis@bw.edu

Spring 2013: Denison University
Lew Ludwig, ludwigl@denison.edu

Fall 2013: Cleveland State University
Barbara Margolius,
B.MARGOLIUS@csuohio.edu

> Please contact the Section President if you are interested in serving the Section on one of these committees.

Calendar

Ohio Section

Spring 2013 Section Meeting, April 5-6, Denison University, Granville, OH

Fall 2013 Section Meeting, Cleveland State University, Cleveland, OH

Spring 2014 University of Toledo (with SIAM)

Fall 2014 Wittenberg University

Spring 2015 Location needed

Fall 2015 Ohio Northern University

Spring 2016 The Ohio State University (Centennial Celebration)

National MAA-AMS

Annual Joint Meetings, January 9-12, 2013, San Diego, CA

MathFest, August 1-3, 2013, Hartford, CT

Annual Joint Meetings, January 15-18, 2014, Baltimore, MD

MathFest, August 7-9, 2014, Portland, OR

Annual Joint Meetings, January 10-13, 2015, San Antonio, TX

MathFest, August 5-8, 2015, Washington, D.C.

OHIO FOCUS

The newsletter of the Ohio Section of the Mathematical Association of America, which first appeared in 1973, is published twice yearly in time to reach members before the fall and spring meetings. Newsletters are published online at www.maa.org/Ohio.

Editor: David Stuckey
419-783-2464
dstuckey@defiance.edu
Science and Mathematics Division
Defiance College
Defiance, OH 43512

The deadline for the next newsletter is **February 4, 2013**. E-mail copy is preferred. Early submission is appreciated.

Please send copy to the editor (see above), and also to the Section Webmaster, Darren Wick, for posting on the

Centennial Note
(Continued from page 6)
"Designing a Modern Applied Mathematics Program."

Although the topics may have changed over the past century, programs at Ohio Section meetings are as interesting and informative today as they were in 1916. Section members continue to regard them as an important way of renewing professional friend-ships, rekindling enthusiasm, and keeping up to date with the latest trends in collegiate mathematics.

Other

Eastern Section AMS Meeting September 22-23, 2012, Rochester Institute of Technology, Rochester, NY

Miami University 40th Annual Conference, September 28-29, 2012, Miami University, Oxford, OH

OCTM Annual Conference, October 18-19, 2012, Columbus, OH

Indiana Section MAA Meeting, October 27, 2012, Butler University, Indianapolis, IN

Central Section AMS Meeting, October 20-21, 2012, University of Akron, Akron, OH

AMATYC Annual Conference, November 8 - 11, 2012, Jacksonville, FL

MCURCSM, November 17, 2012, Ohio Wesleyan University, Delaware, OH

T^3 International Conference, March 8 - 10, 2013, Philadelphia, PA

Student Mathematics Conference, February 23, 2013, Youngstown State University, Youngstown, OH

International Conference on Technology in Collegiate Mathematics (ICTCM), March 21-24, 2013, Boston, MA

Indiana Section MAA Section Meeting, March 29 - 30, 2013, Indiana University East, Richmond, IN

Coming Up in Ohio

Miami University 40th Annual Conference
This year's title is "Statistics in Sports." The conference will be held on the Miami University campus on **September 28-29, 2012**. Details are available at: http://cas.muohio.edu/math/conference.html

OCTM Annual Conference
The Ohio Council of Teachers of Mathematics is holding their annual conference on **October 18-19, 2012**, in Columbus, Ohio. See http://www.ohioctm.org/conference_2012.htm for details.

The University of Dayton math department will host its **25th Biennial Alumni Seminar** on Saturday, November 3, 2012. Alums of our department will return to campus to talk about their professions with students interested in mathematics. More information about the Alumni Seminar will be available at http://academic.udayton.edu/MathEvents/.

Midstates Conference for Undergraduate Research in Computer Science and Mathematics (MCURCSM)
This annual conference will be held at Ohio Wesleyan University on **November 17, 2012**. MCURCSM is a venue for undergraduates to present research papers on original work. The conference is distinctive in that faculty will referee the submitted papers, just as for professional conferences and journals, and a proceedings will be published. The submission deadline is Sunday, October 14, 2012. For more information, see http://math.owu.edu/MCURCSM/ If you are interested in being a referee for the conference, please contact the organizing committee at chjackso@owu.edu or stmccull@owu.edu.

Student Conference at Youngstown State University

The Ohio Xi Chapter of Pi Mu Epsilon at Youngstown State University is hosting its fifteenth annual regional Student Paper Meeting scheduled for **February 23, 2013**. The meeting will give undergraduate students the opportunity to present results of their projects and research, and to listen to topics that are of interest to other undergraduate students in our region. Free registration can be completed online. For more information, please see http://www.ysumathstat.org/pme/conferences/index.php.

Ohio Section MAA Spring Meeting
The Ohio Section of the Mathematical Association of America will hold its annual Spring meeting on **April 5-6, 2013**, at Denison University. More details, including submission information for contributed talks from faculty and students, will be forthcoming in the Spring edition of this newsletter and also on the Ohio Section website,

Member Book Benefits Changing in 2013

Beginning in January, and varying by month, the MAA is changing the way members receive a discount or other offers when they buy MAA books. Members will receive a new code each month, via email, that enables them to take advantage of that month's benefit. MAA book catalogs, book advertisements, and the MAA store will show only the list price; members will need to use the current code to use the discount or offer. In addition to sending the code via email, it will also be placed in the members-only section of the MAA website, printed in the MAA FOCUS and available through the MAA Service Center.

Other Meetings
(Continued from page 17)

Allegheny Mountain Section MAA Meeting, April 5 – 6, 2013, Indiana University of Pennsylvania, Indiana, PA

Kentucky Section MAA Section Meeting, April 5 - 6, 2013, Transylvania University, Lexington, KY

NCTM National Meeting, April 17-20, 2013, Denver, CO

Michigan Section MAA Meeting, May 3-4, 2013, Lake Superior State University, Sault Ste. Marie, MI

Joint Statistical Meetings, August 3 - 8, 2013, Montréal, Québec, Canada